

ABSTRACT OF THE DISCLOSURE

A method is provided for measuring an absolute steering angle of a steering shaft for a vehicle using a first rotatable body and a second rotatable body that rotate together with the steering shaft of the vehicle at a predetermined rotation ratio, respectively. The method includes organizing a table by matching a plurality of relative rotational angle pairs (Ψ' , θ'), where Ψ' is a relative rotational angle of the first rotatable body, and θ' is a relative rotational angle of the second rotatable body, with respective absolute steering angles, Φ_s , that correspond to each of the relative rotational angle pairs. The method also includes obtaining a Ψ_M' value by measuring the relative rotational angle Ψ' of the first rotatable body and obtaining a θ_M' value by measuring the relative rotational angle θ' of the second rotatable body, using at least an angle sensor having a measurement range of Ω . The method further includes obtaining an absolute steering angle Φ of the steering shaft corresponding to the measured relative rotational angle pair (Ψ_M' , θ_M') by looking up information in the table.